

Classroom Connect – Teacher & Student Apps User Manual

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The Classroom Connect apps bring teaching to an entirely new technological level. A teacher can transmit lessons or quizzes to an unlimited number of devices in real time. Students can access the app from anywhere in the world with internet access. The teacher can virtually control students' devices and receive student responses in real time.

The Classroom Connect apps will run on any of the following devices:

- iPad
- Mac devices
- Windows devices
- iPhones (Student App Only)
- Android tablets & phones (Student App Only)
- Kindle Fire (Student App Only)

The Classroom Connect student app is free.

There are built-in accessibility features in the student app to accommodate individuals with special needs for Mac and Windows devices (currently unavailable for iPad or Android). These features are text-to-speech, step scanning and auto-scanning for switch users.

The basic Classroom Connect teacher app is free.

Creating customized lessons and quizzes requires the purchase of an Activation Key.

The user-friendly interface of the Classroom Connect teacher app allows teachers to create customized lessons and quizzes in minutes. The app comes with a variety of sample lessons and quizzes and a library of over 400 pictures with the ability to upload additional graphics. Teachers can create their own lessons or quizzes tailored for their specific classroom needs. Teachers can also share their lessons with other teachers or parents. The last 100 sessions transmitted by the teacher is saved for viewing and printing.

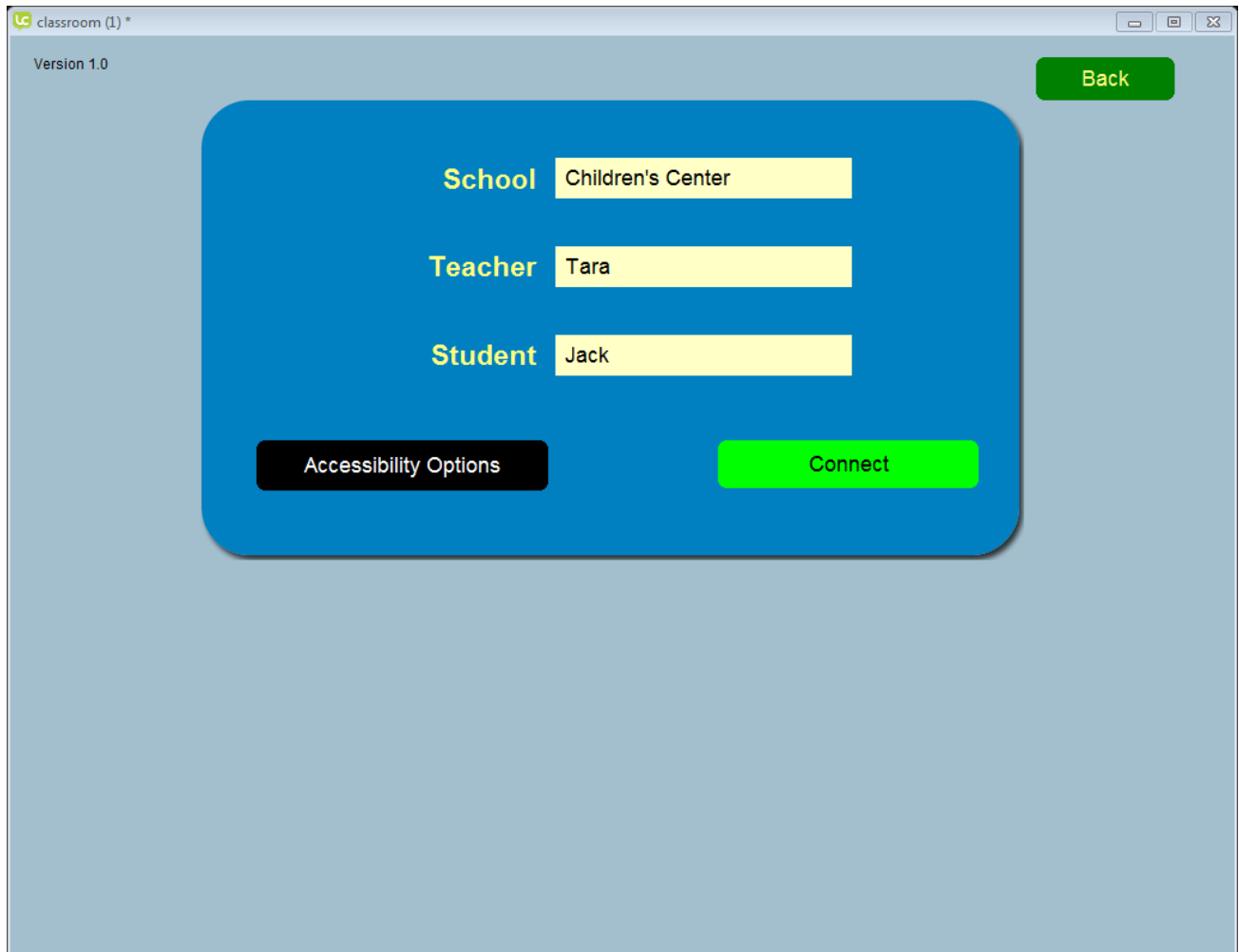
Release Info

Classroom Connect is released as two separate apps: the “teacher” app and the “student” app. The “teacher” app also comes with the “student” app to allow the teacher to test transmissions of lessons and quizzes.

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Classroom Connect – Student App



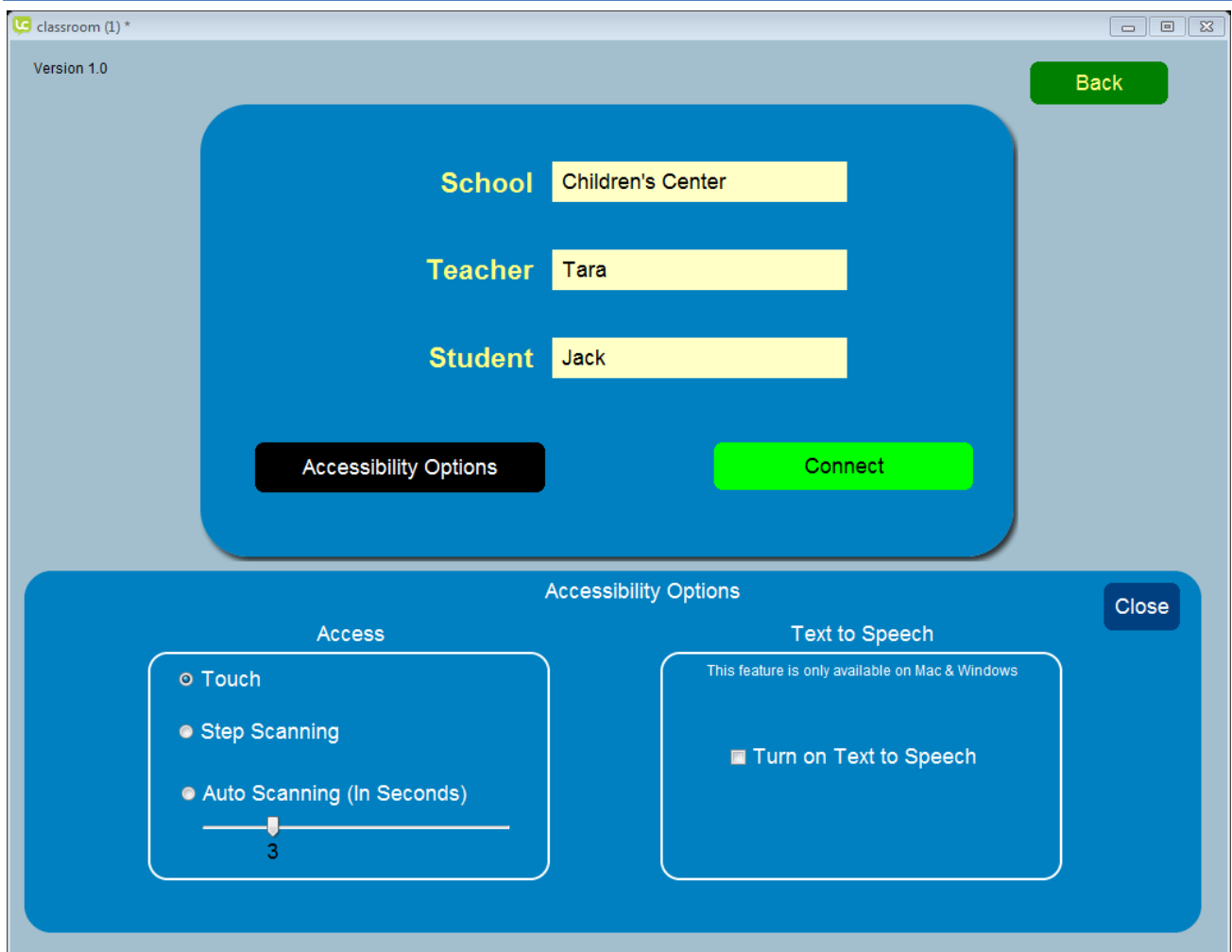
The screenshot shows a web browser window titled "classroom (1) *". The page content includes a header with "Version 1.0" and a "Back" button. The main area is a blue rounded rectangle containing three input fields: "School" with the value "Children's Center", "Teacher" with the value "Tara", and "Student" with the value "Jack". Below these fields are two buttons: "Accessibility Options" and "Connect".

Field	Value
School	Children's Center
Teacher	Tara
Student	Jack

Important: The Student App will only present lessons or quizzes that are transmitted from the Teacher App. It is not a standalone app. The Teacher App remote controls the Student App.

The "School" and "Teacher" entries must match the same information that the teacher used to login. The "Student" entry must match one of the students that the teacher has already selected.

Student App – Accessibility



Note: Accessibility options are currently only available on Windows and Mac.

Press the black “Accessibility Options” button (not available on iPad and Android devices). The student app has built-in switch accessibility for selecting answer buttons. The default option is “Touch” for using a touch screen or mouse. “Step Scanning” and “Auto Scanning” cause a yellow arrow to appear over each button

Step Scanning (two switches)

When the “Step Scanning” option is selected, a switch emulating the “space” key will move the arrow from one button to the next. Emulating the “enter” key will toggle the answer on that button.

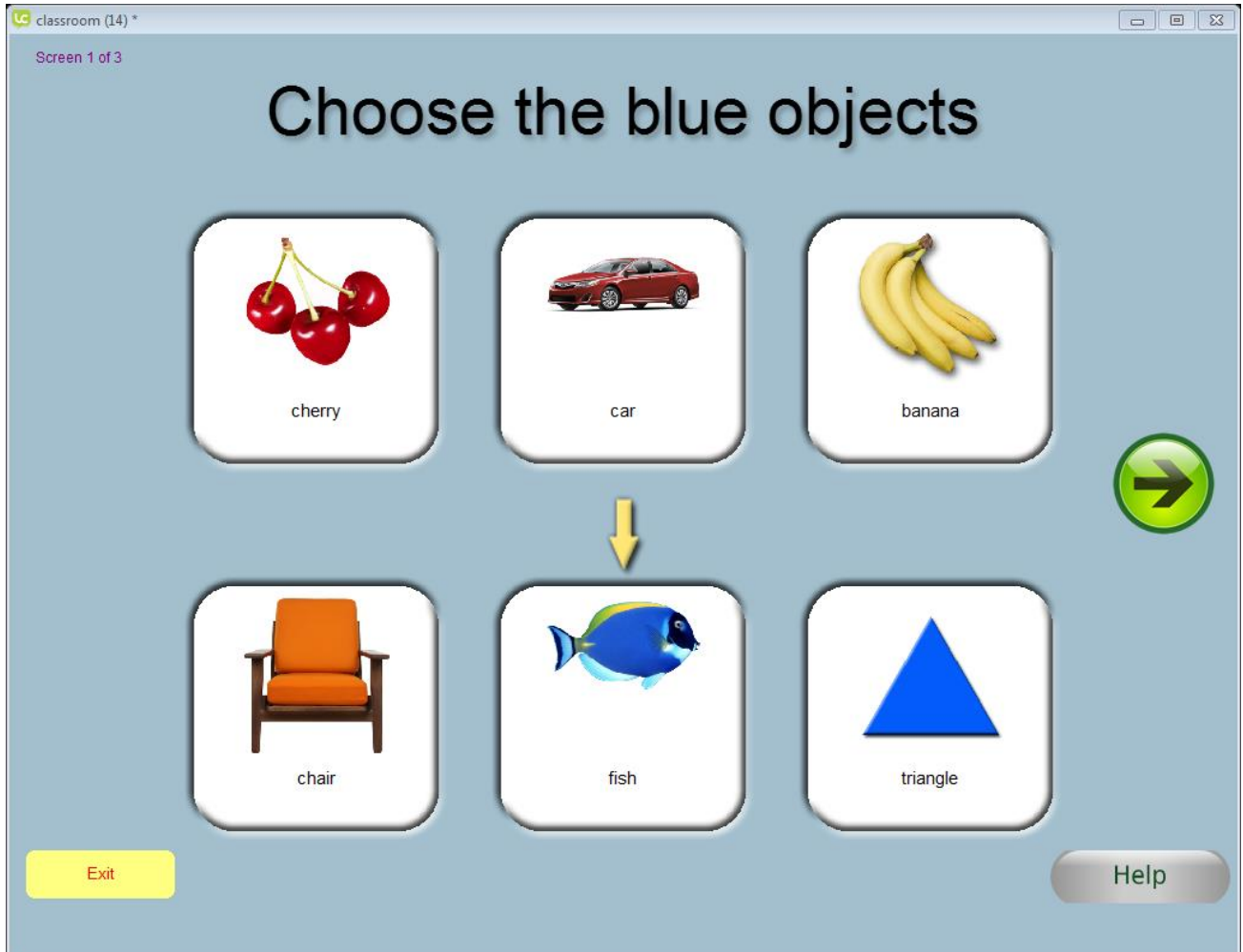
Auto Scanning (one switch)

When the “Auto Scanning” option is selected, a yellow arrow will move over each button using the time interval set on the slider bar. Emulating the “enter” key will toggle the answer on that button.

Text-to-Speech

Press the “Turn on Text to Speech” checkbox to activate.

This is an example of a screen with the scanning accessibility option set. The yellow arrow points to the button that will toggle when the switch is pressed. If step scanning was chosen, a second switch press will move the yellow arrow from one button to the next. If auto scanning was chosen, the yellow arrow will move over each button using the time interval set on the slider bar.



Text-To-Speech (TTS)

Available on Mac and Windows only

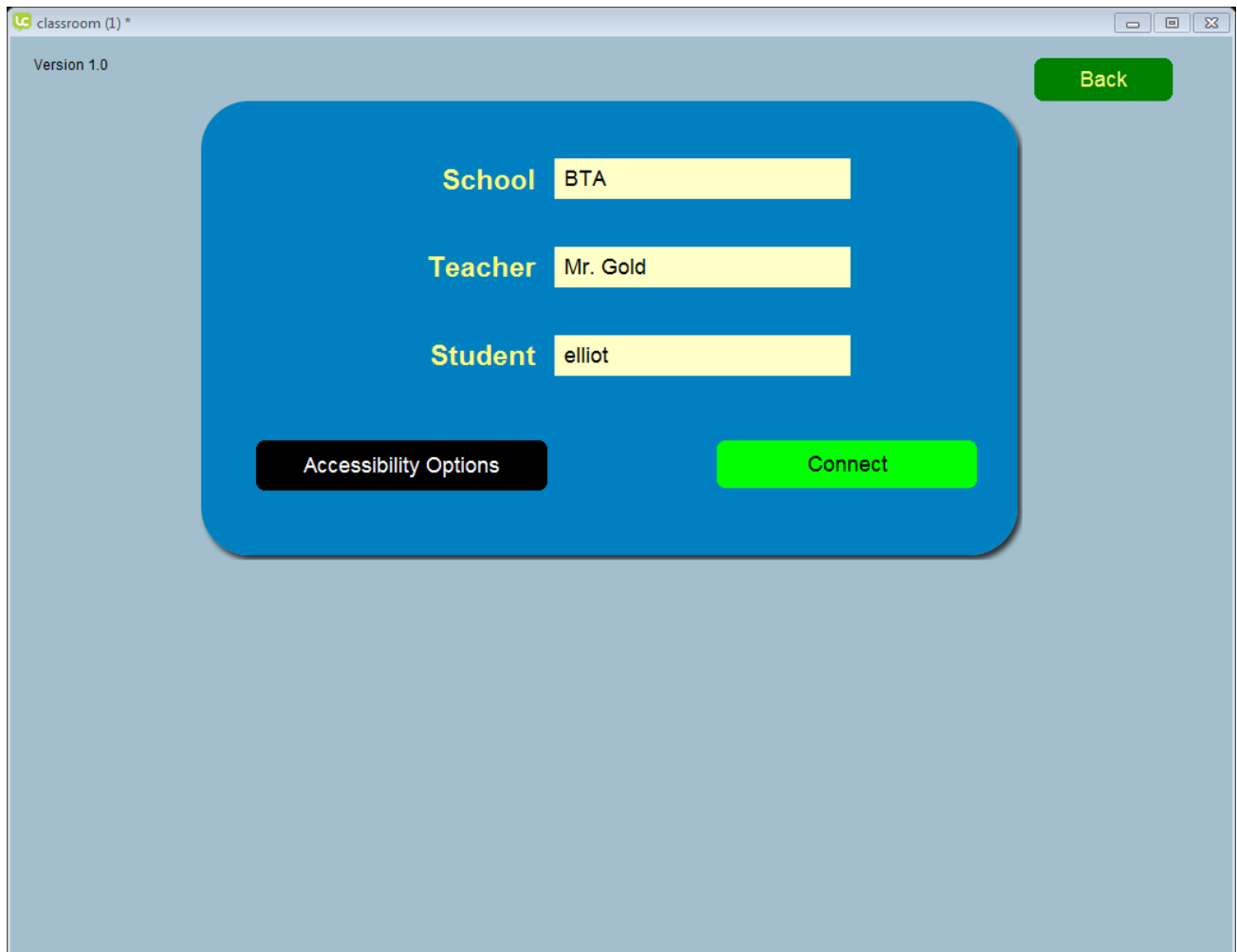
Touch Users: Drag and drop the blue megaphone over any button or caption (yellow arrow).

Switch Users: The caption will be read automatically and the buttons will be read at the time it was scanned to.

The screenshot shows a software window titled "classroom (14) *". Inside the window, the text "Screen 1 of 3" is visible in the top left. The main heading is "Choose the blue objects". There are six interactive buttons arranged in a 2x3 grid. Each button contains an image and a label: a blue fish labeled "fish", three red cherries labeled "cherry", a bunch of yellow bananas labeled "banana", a red car labeled "car", an orange chair labeled "chair", and a blue triangle labeled "triangle". At the bottom left is a yellow "Exit" button, and at the bottom right is a grey "Help" button. A blue megaphone icon is positioned at the bottom center, with a yellow arrow pointing to the "chair" button. A green circular arrow icon is on the right side of the screen.

Connecting to the Teacher - Receiving the Lesson or Quiz

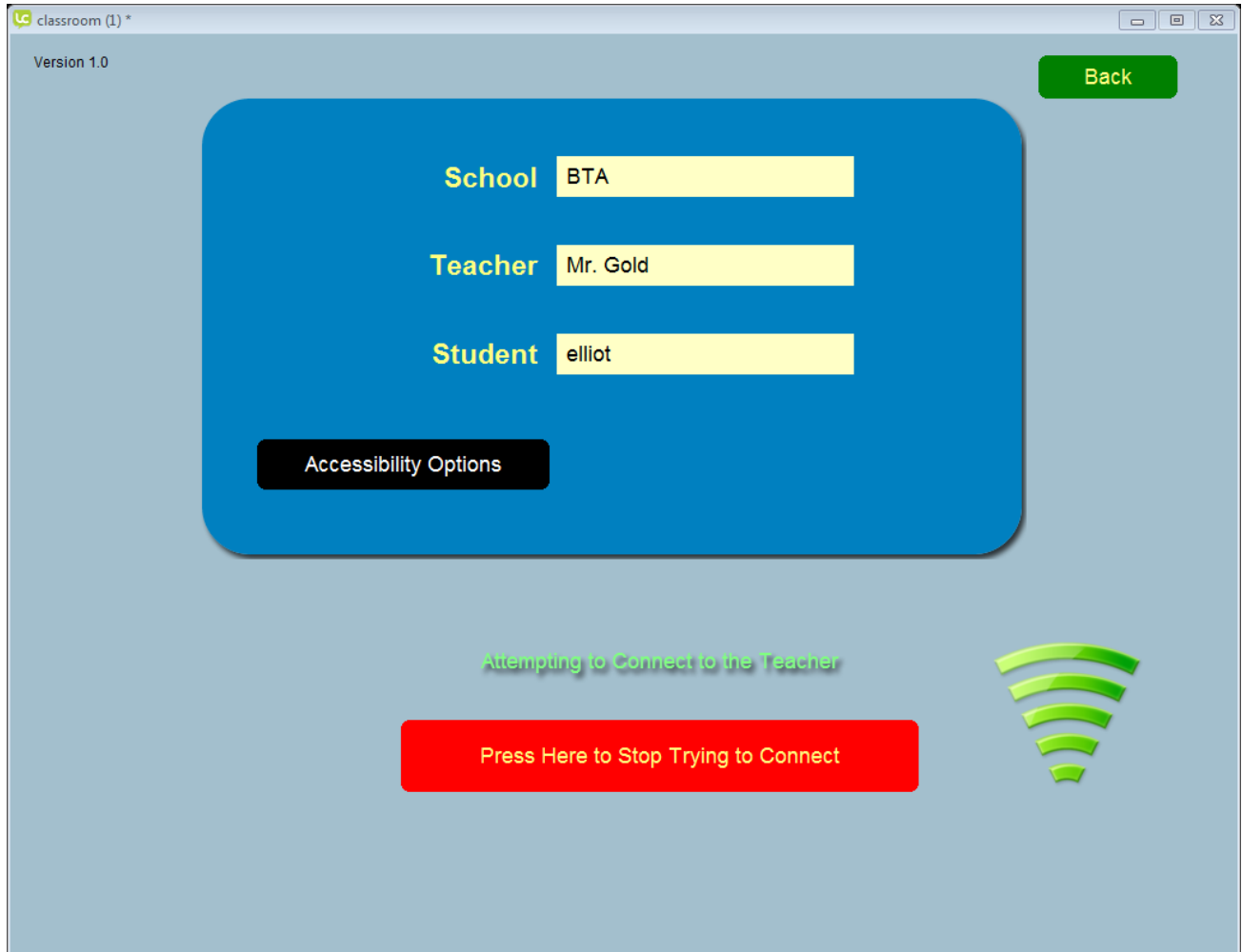
When the teacher indicates that the lesson or quiz was transmitted, press the green “Connect” button.



The screenshot shows a web browser window titled "classroom (1) *". The page content is as follows:

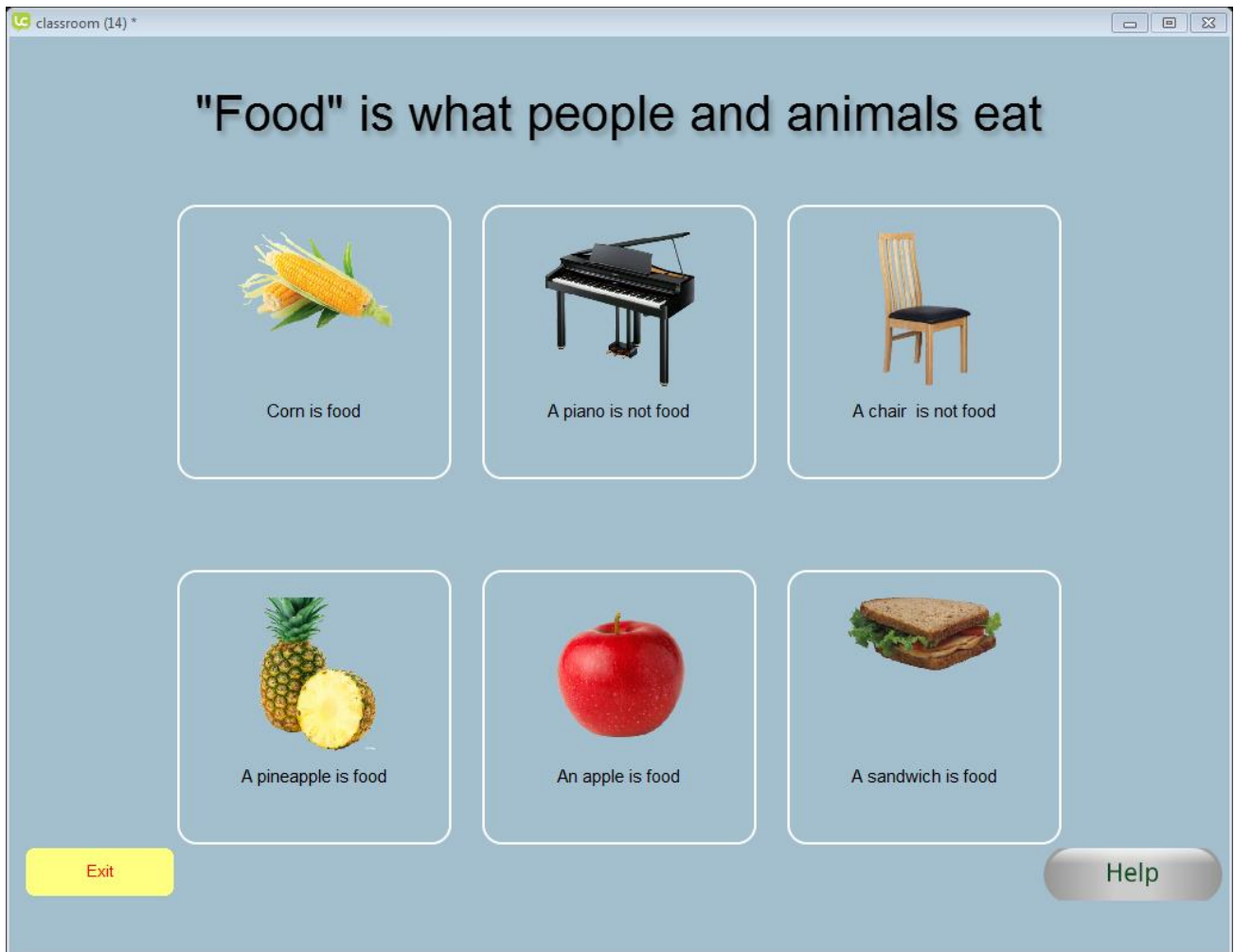
- Top left: "Version 1.0"
- Top right: A green "Back" button.
- Center: A blue rounded rectangle containing:
 - "School" label next to a yellow input field containing "BTA".
 - "Teacher" label next to a yellow input field containing "Mr. Gold".
 - "Student" label next to a yellow input field containing "elliot".
 - Bottom left: A black button labeled "Accessibility Options".
 - Bottom right: A green button labeled "Connect".

The screen below appears while the app is trying to connect to the teacher. Pressing the red “Press Here to Stop Trying to Connect” button will stop the app from connecting.



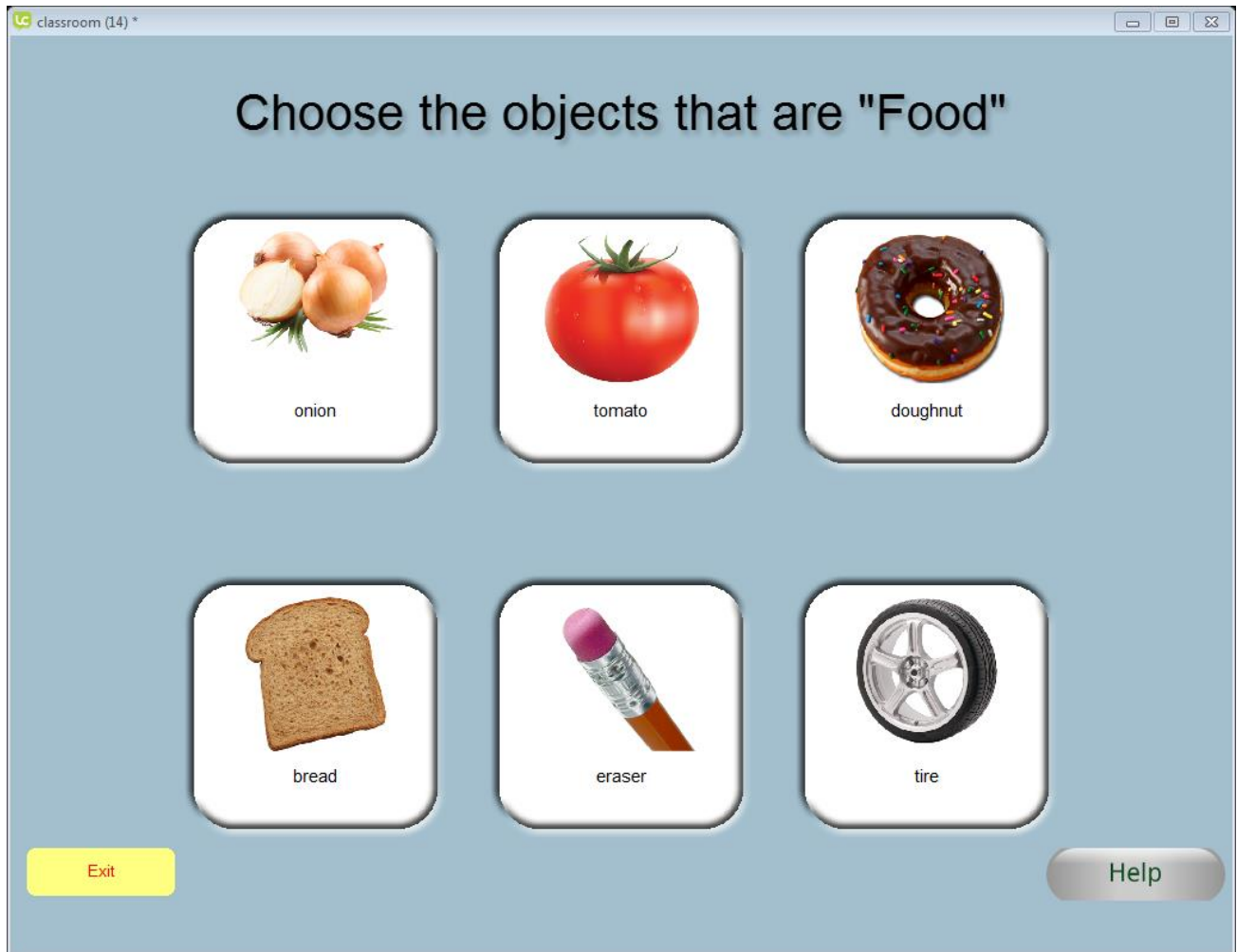
When successfully connected, the device will show the screen(s) that were transmitted by the teacher.

This is an example of an “information” screen transmitted as a lesson:



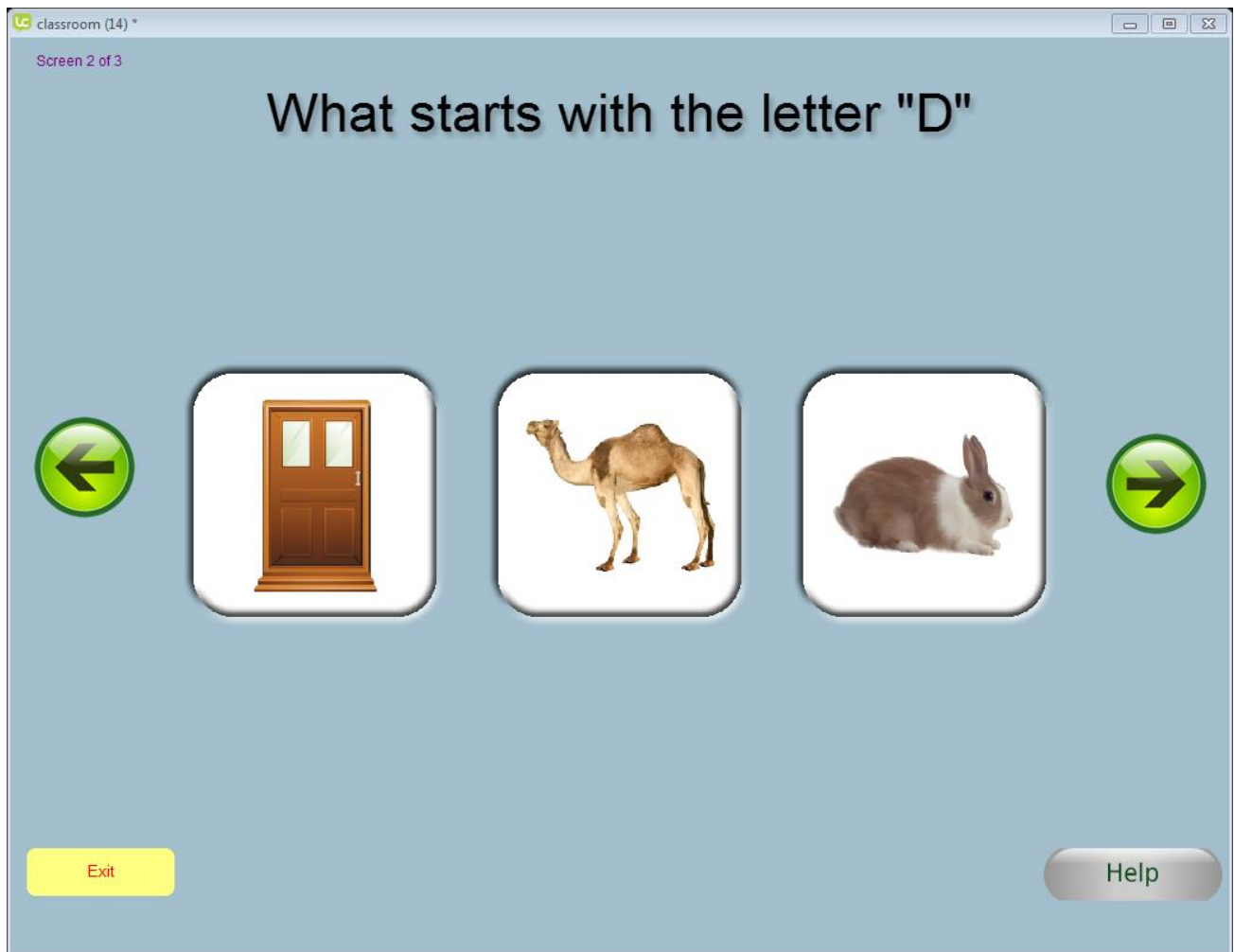
When individual screens are transmitted as a lesson, there are no “scroll to the next screen” or “scroll to the previous screen” arrows. The teacher will change what is displayed on the student’s device by transmitting individual screens. The student can press the “Exit” button at any time to exit the lesson or quiz. If the student presses the “help” button, the teacher will see this on their “student responses” screen.

This is an example of a "question" screen transmitted during a lesson:



The student presses the buttons to indicate an answer. The button will turn green to indicate that it has been selected. Pressing the button again will unselect the choice. More than one button can be pressed.

This is an example of a “question” screen that was transmitted as a quiz.



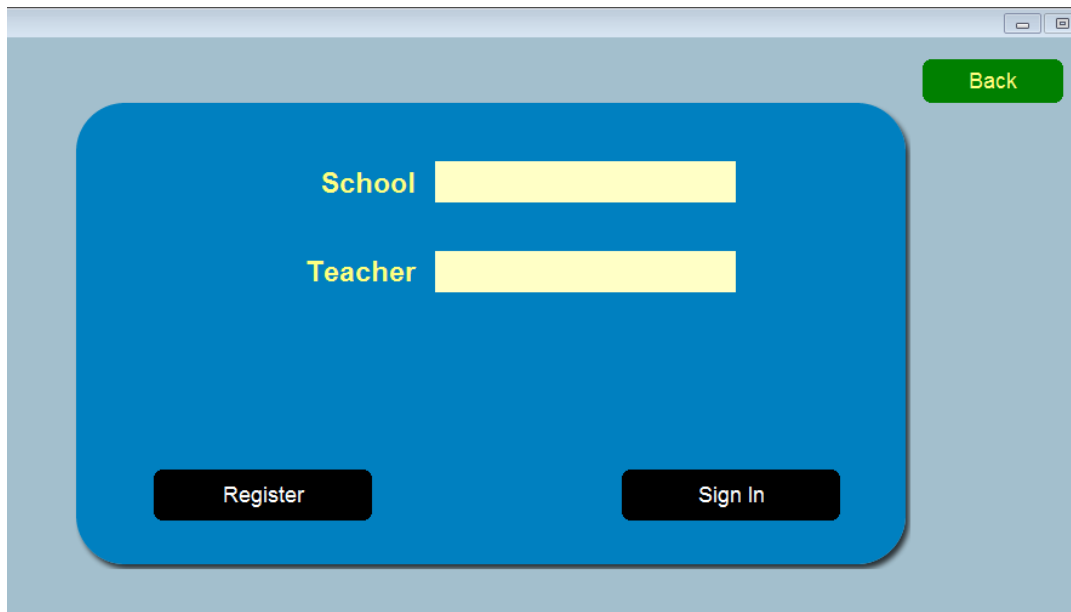
Notice the green arrows on the left and right side of the screen. This allows the student to navigate between screens. The student can press the “Help” button which instantly notifies the teacher that help is needed.

The yellow “Exit” button can be pressed at any time to exit the lesson or quiz.

Classroom Connect – Teacher App

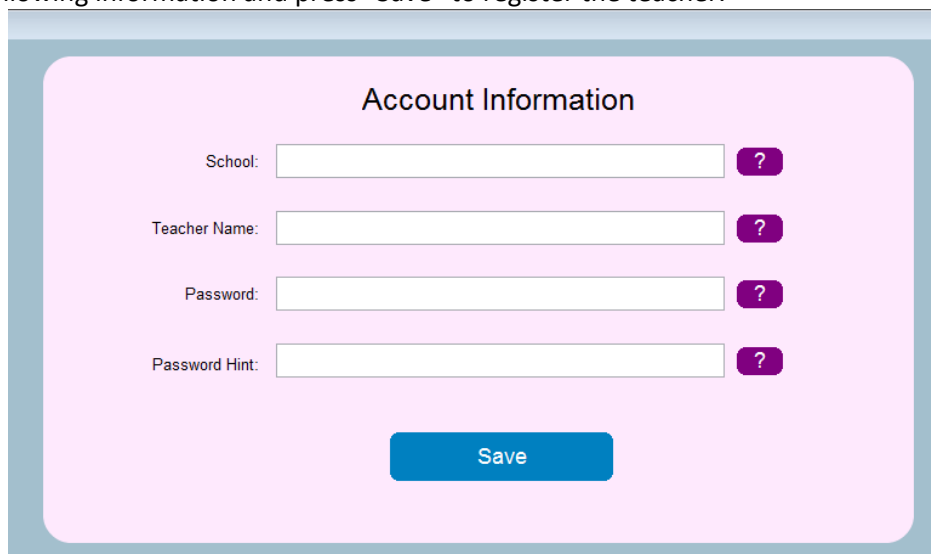
Registering a Teacher

A unique login is defined by the combination of the “School” and “Teacher” fields. The “School” field has no restrictions. The “Teacher” field must be unique within a school. When a student connects through the “student” app to receive a lesson or quiz, the student must enter the same information in the “School” and “Teacher” fields that the teacher used when registering. Click on the “Register” key to create a new school and teacher entry. “i.e. School “Harvard” teacher “Smith”.



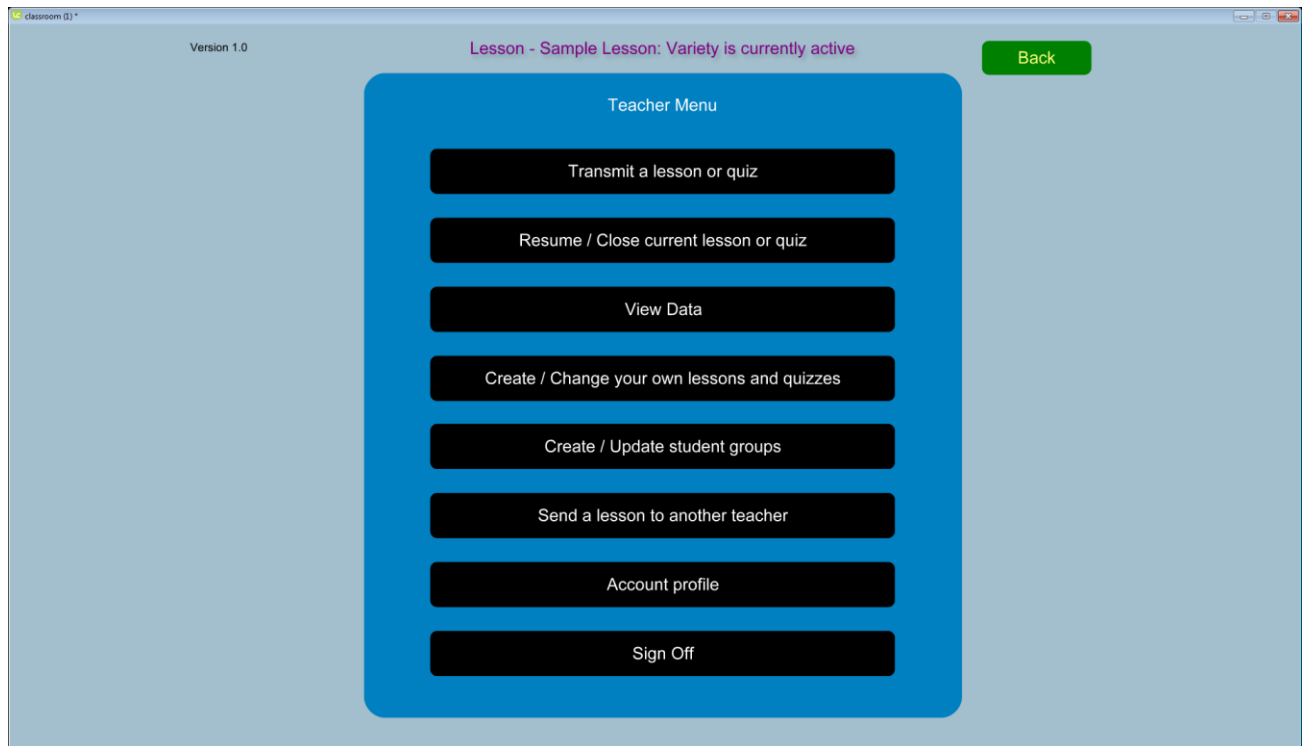
The screenshot shows a mobile application interface for teacher registration. It features a blue rounded rectangle containing two input fields: "School" and "Teacher", both with yellow text and empty text boxes. Below these fields are two black buttons labeled "Register" and "Sign In". In the top right corner of the app window, there is a green "Back" button. The entire interface is set against a light blue background.

Next, fill in the following information and press “Save” to register the teacher.



The screenshot displays the "Account Information" form within the app. The form has a light pink background and contains four input fields: "School:", "Teacher Name:", "Password:", and "Password Hint:". Each field is followed by a purple question mark icon. At the bottom center of the form is a blue "Save" button.

The Teacher Menu



- Transmit a lesson or quiz - Sends a lesson or quiz to the named students' device(s)
- Resume / Close current transmission – Resumes or closes a transmission. Note a teacher can have only one lesson or quiz open at a time.
- View Data – Retrieves the student responses of the five most recent closed lessons or quizzes
- Create / Change your own lessons or quizzes – (Full version only) – Create customized lessons and quizzes
- Create / Update student groups - Create student groups to minimize student name entry
- Send a lesson to another teacher - (Full version only) – Send a custom-made lesson to another teacher
- Account profile – User and password administration

Types of Screens

A lesson or quiz is composed of a set of individual screens. Screens that are presented to the student fall into one of two categories, “information” or “question”.

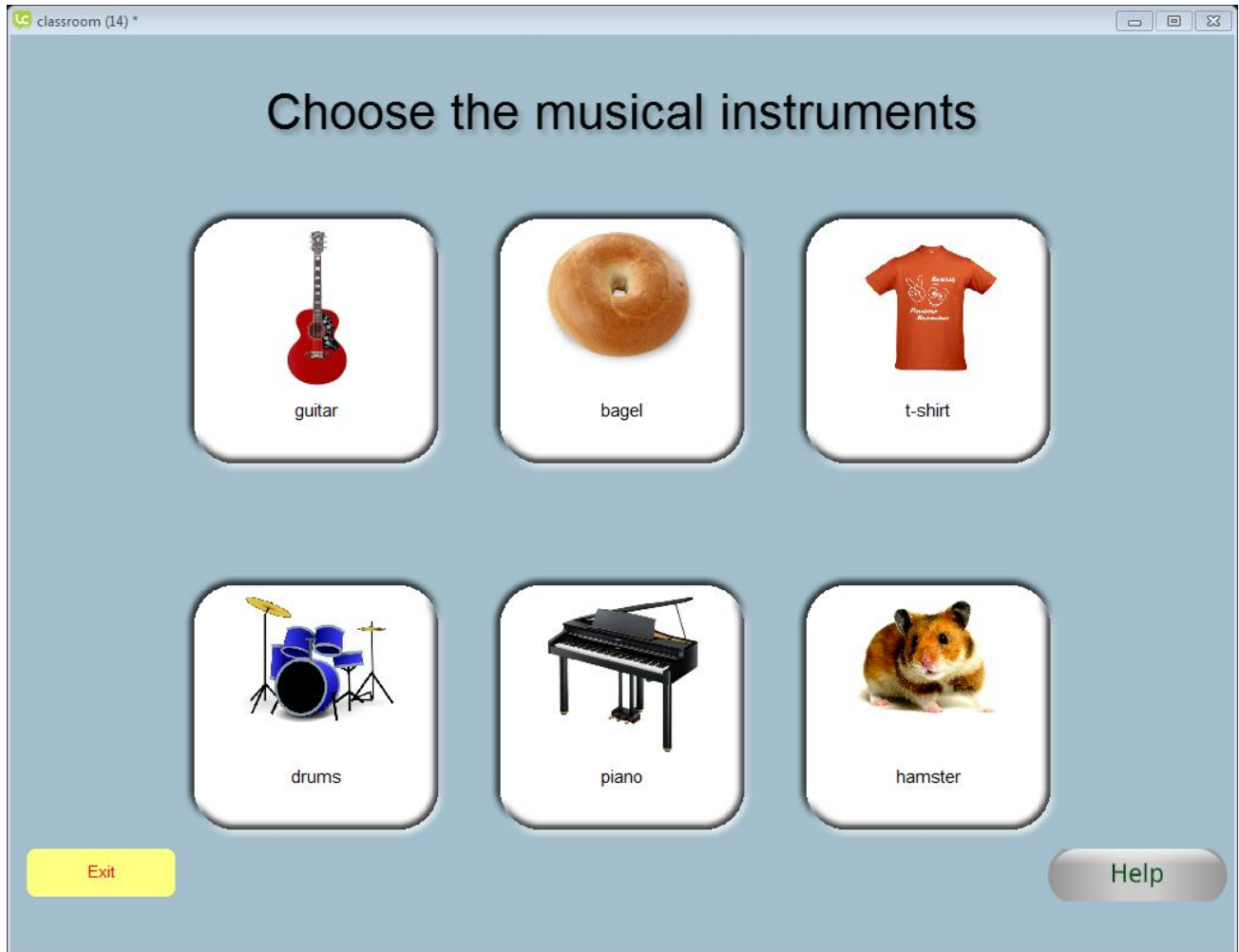
The Information Screen

The following screen is an example of an “information” screen. The student just observes and does not touch their device (except for the “Help” button).



Screen with a Question

The screen below is an example of a “question” screen. The student is presented with a question where they have to answer by pressing one or more buttons.



Lessons & Quizzes Explained

A lesson or quiz is simply a group of Individual screens. The same screen can be used in multiple lessons or quizzes or both.

IMPORTANT: You have the option of transmitting the group of screens as either a “lesson” or a “quiz”. When transmitting screens as a “lesson”, the teacher transmits one screen at a time within the lesson. The student cannot scroll through the screens of the lesson by themselves.

When transmitting as a “quiz”, the entire group of screens is transmitted at once. The student scrolls through the screens answering the different questions.

Any group of screens can be sent as either a “lesson” or a “quiz”; however, if a group of screens are transmitted as a “quiz”, any “information” screens are omitted and only “question” screens are transmitted.

Student Groups (Optional)

Selecting “Create / Update student groups” allows the teacher to create specified groups of individual students prior to transmitting a lesson or quiz. This eliminates the need to manually enter each student’s name for every transmission. When the teacher transmits a lesson or quiz to a student group, the lesson or quiz is sent to every student specified within that group.

The screenshot shows a web application window titled "classroom (9) *". The main heading is "Create Student Groups (Optional)" with a "Back" button in the top right. Below the heading is a paragraph explaining that student groups can be created to save student names, and another paragraph stating that group names can be anything. The interface is divided into three columns:

- Student Group:** A text input field containing "math". Below it are three buttons: "Create a new student group" (blue), "Rename the selected student group" (green), and "Delete the selected student group" (red).
- Add student to the selected group:** A blue box with the instruction "Enter the students' name below to add to the selected group and then touch the button below." Below this is a large text input field and a cyan button labeled "Add the student names".
- Students in the selected group:** A list box containing the names "elliot", "jack", "john", and "todd". Below it is a red button labeled "Remove the selected student from the group".

How to create a new group

1. Click the “Create a new student group” button. You will be prompted to give the group a name.
2. Enter each name on a separate line in the middle column.
3. Click on the “Add the student names” button on the bottom of the middle column. The names will appear in the third column indicating that they are part of the group.

Transmitting a Lesson or Quiz

The app comes with some sample lessons and quizzes to demonstrate the multiple uses for the app. These lessons or quizzes will show up on your list prefixed by the word “Sample”.

From the “teacher” menu, click on “Transmit a lesson or quiz.”

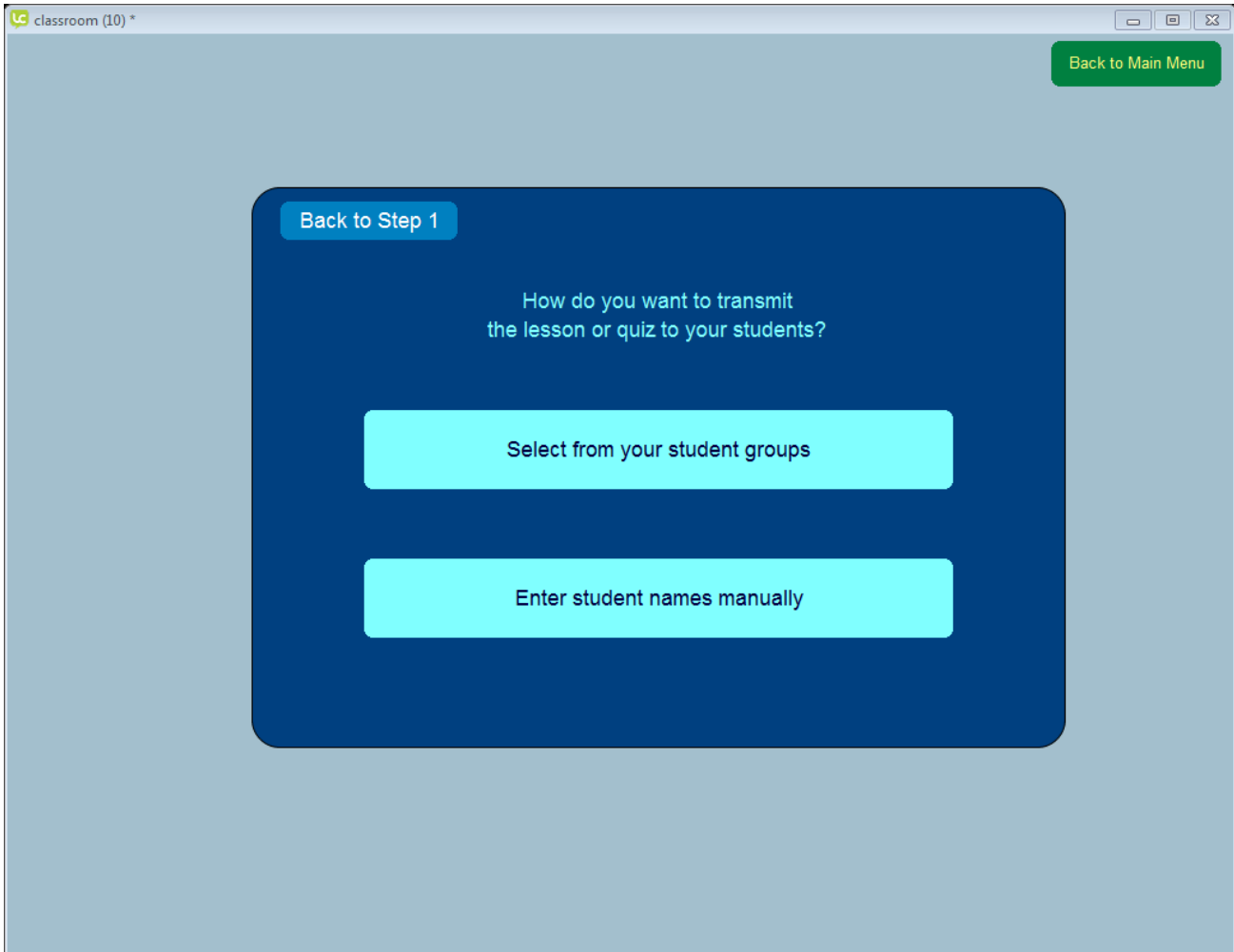


1. Highlight the lesson or quiz name.

2. Select either “Transmit as a Lesson” or “Transmit as a Quiz”. When transmitting as a quiz, there is an option to have the order of questions shuffled on every student’s device to make cheating more difficult. Transmitting as a lesson will transmit one screen at a time while transmitting as a quiz will transmit all of the screens at once. Click “Next” when done

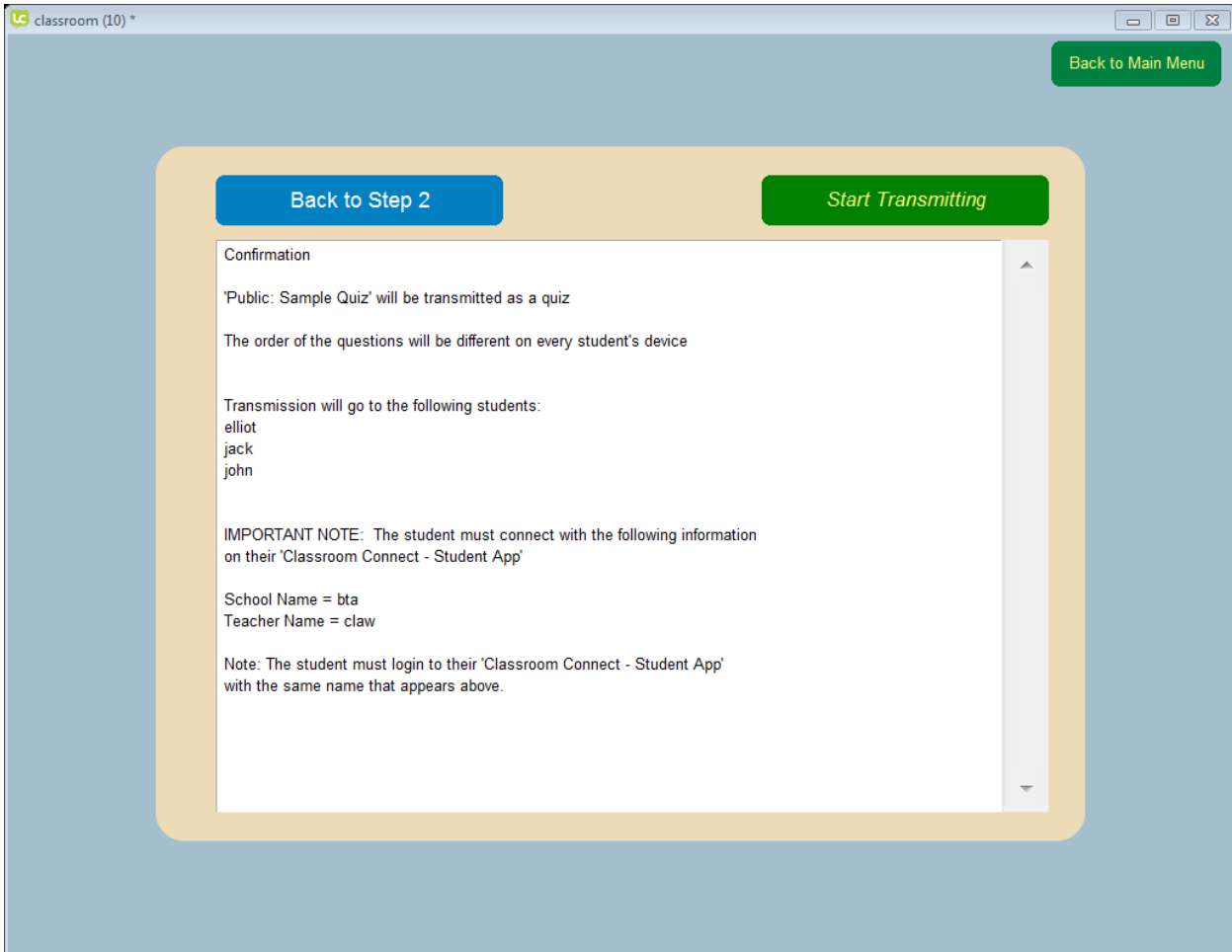
Transmitting to Selected Students

Teachers can transmit to either a previously created student group or to individual students by manually entering their names.



Confirm Transmission Details

This confirmation screen shows what is being transmitted, whether it is a lesson or quiz, and the student(s) who will receive the transmission. Click the green “Start Transmitting” button on the confirmation screen to begin transmitting. **IMPORTANT:** The student must login with the matching school, teacher, and student name to receive the transmission.



classroom (11) *

Choose the Animals

Back

camel horse pig cake helicopter chair

Screen 1 of 10

Next

Last Quiz Sent: Sample Quiz: Categories

Status: All Screens were Transmitted

Touch the student's name for individual answers

Students Not Connected

Student	# Correct	# Incorrect	# Didn't Answer	Grade	Help
elliott	8	2	0	80	no

Student responses are refreshed every 3 seconds

jack
todd

End Lesson / Quiz

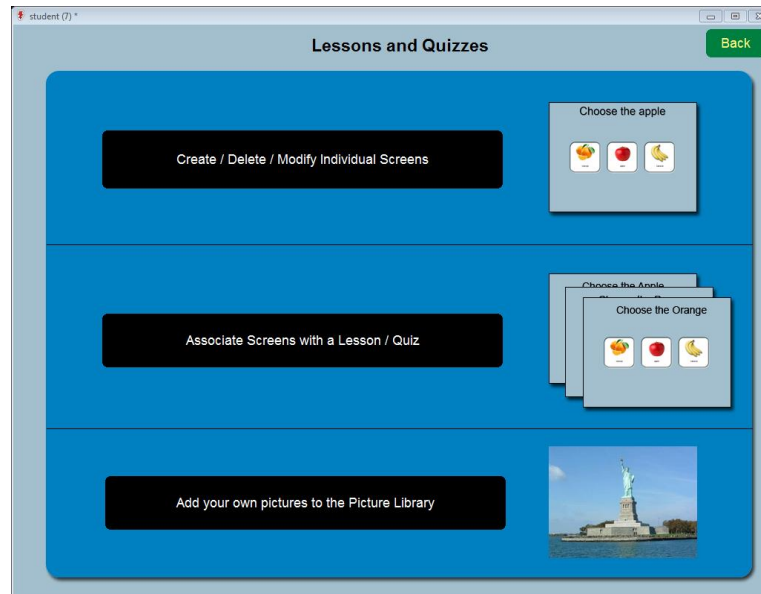
Main Menu

When finished transmitting a lesson or quiz, the teacher will press the red “End Lesson / Quiz” button (yellow arrow). The data from the last 100 sessions is saved in the app. IMPORTANT: Press the “View Data” button on the teacher menu to view the data in a web browser for printing or emailing.

Creating Customized Lessons (Full Version)

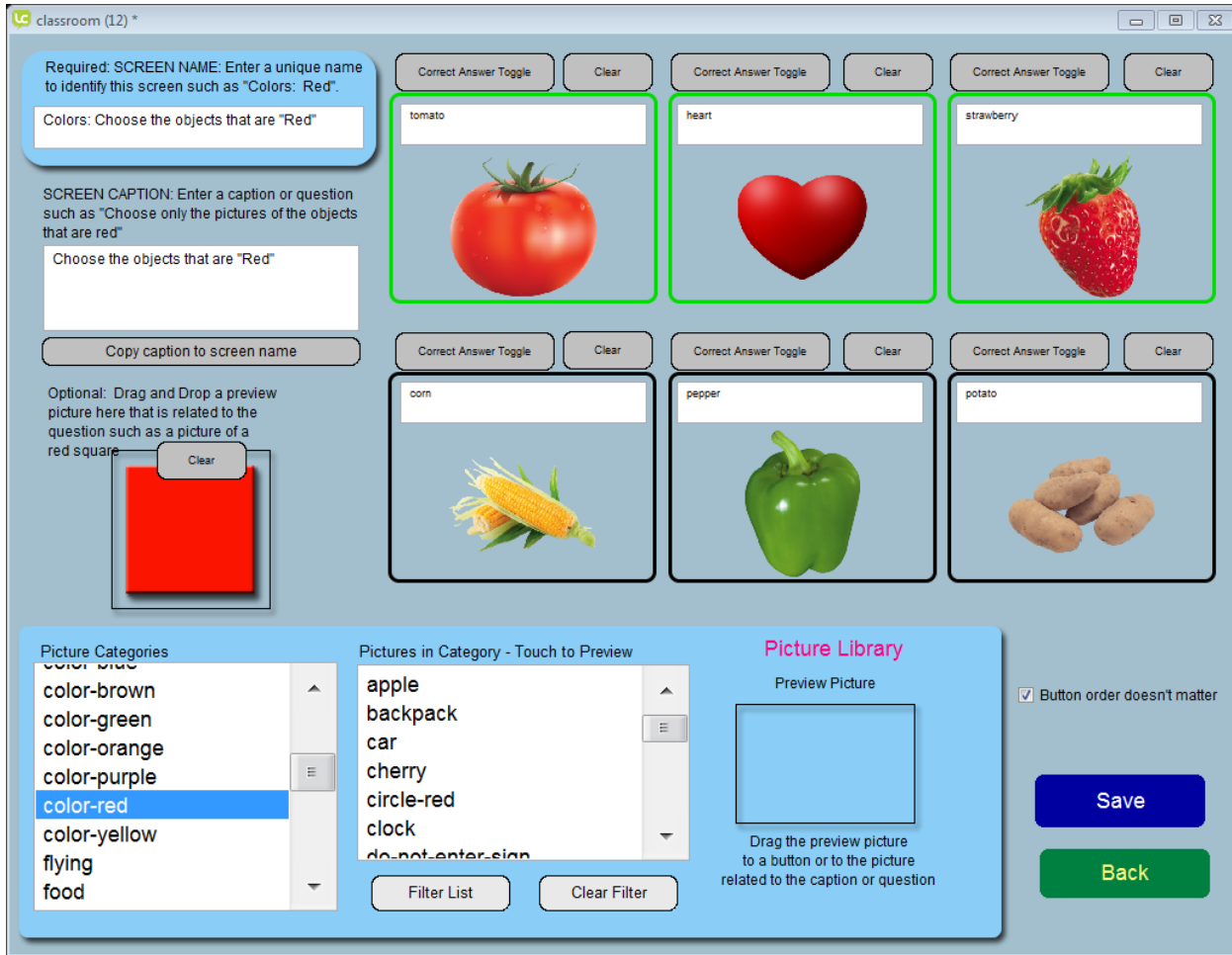
Press the “Create / Change your own lessons or quizzes” on the teacher menu.

- 1) If the teacher has any custom pictures to add to the lesson or quiz, upload them first using the “Add your own pictures to the Picture Library button. (3rd button)
- 2) Next, create individual screens by pressing the “Create / Delete / Modify Individual Screens button: (1st button)



- 3) Assemble any number of screens to create a lesson or quiz by pressing the “Associate Screen with a Lesson” button (2nd Button).

The create screen looks like this:

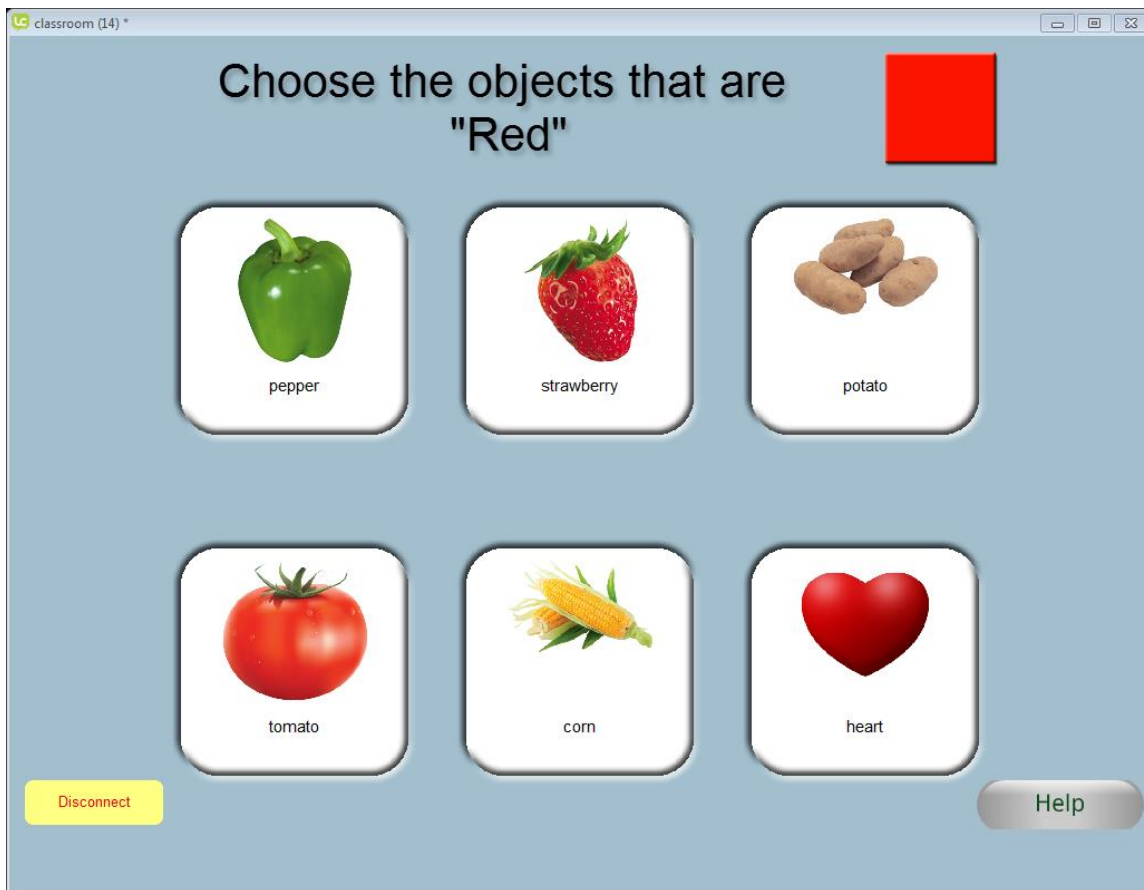


To put a picture on a button, select it from the picture library and then drag and drop the preview picture to the button. The name of the picture is put into the text of the button as a default. Text can be changed at any time by typing into the white text box.

Notice the green border around the pictures of the tomato, heart, and strawberry indicating that they are correct answers. That was done by pressing the "Correct Answer Toggle" above the picture. Each button can have both picture and text, text only, or picture only displayed.

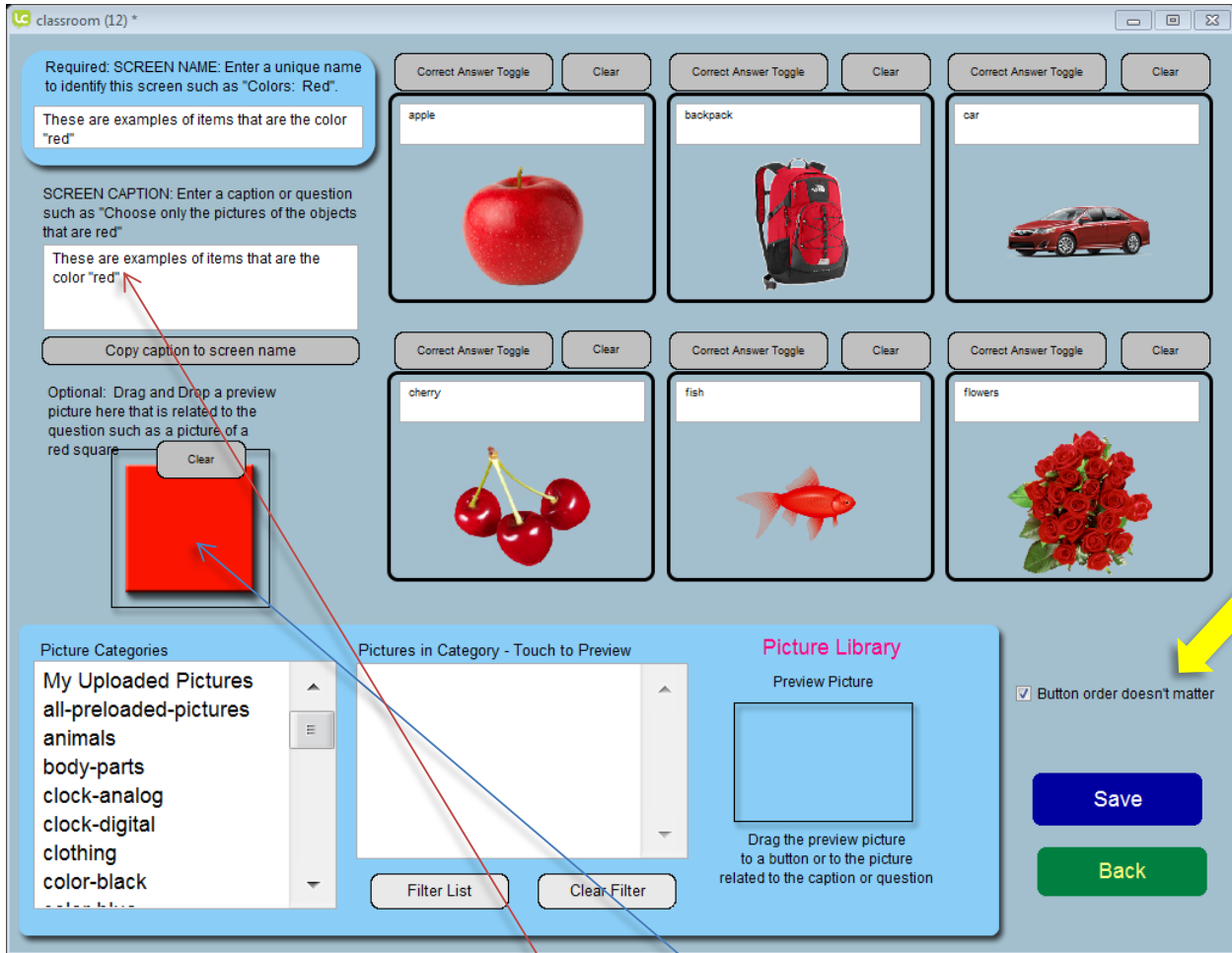
The SCREEN NAME text must be unique for each screen. The screen name is used to identify the screen when assembling lessons or quizzes. Use the gray "Copy caption to screen name" button to append the "screen caption" text to the contents of the "screen name" box.

The previous create screen produced the following screen on the student's device

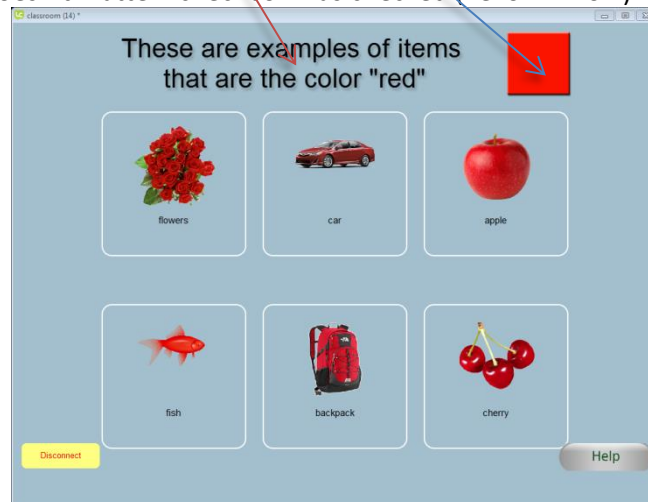


Notice on the creation screen that the checkbox "Button order doesn't matter" was checked. This option prevents the buttons from always appearing in the same position so the student cannot memorize the position of the correct answer when asked the same question multiple times. Uncheck the "Button order doesn't matter" checkbox when using positional questions such as, "Choose the picture that is to the LEFT of the alligator".

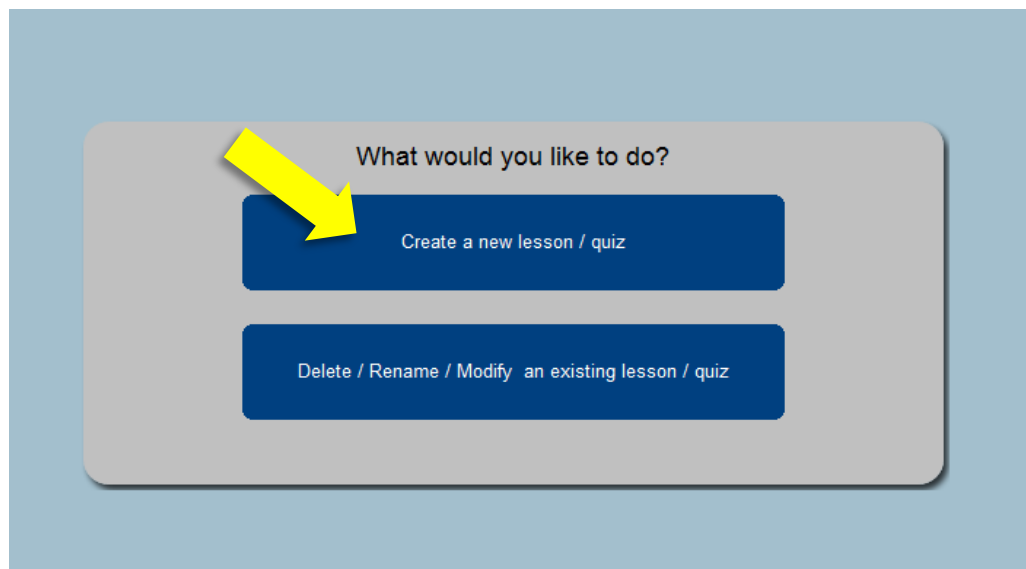
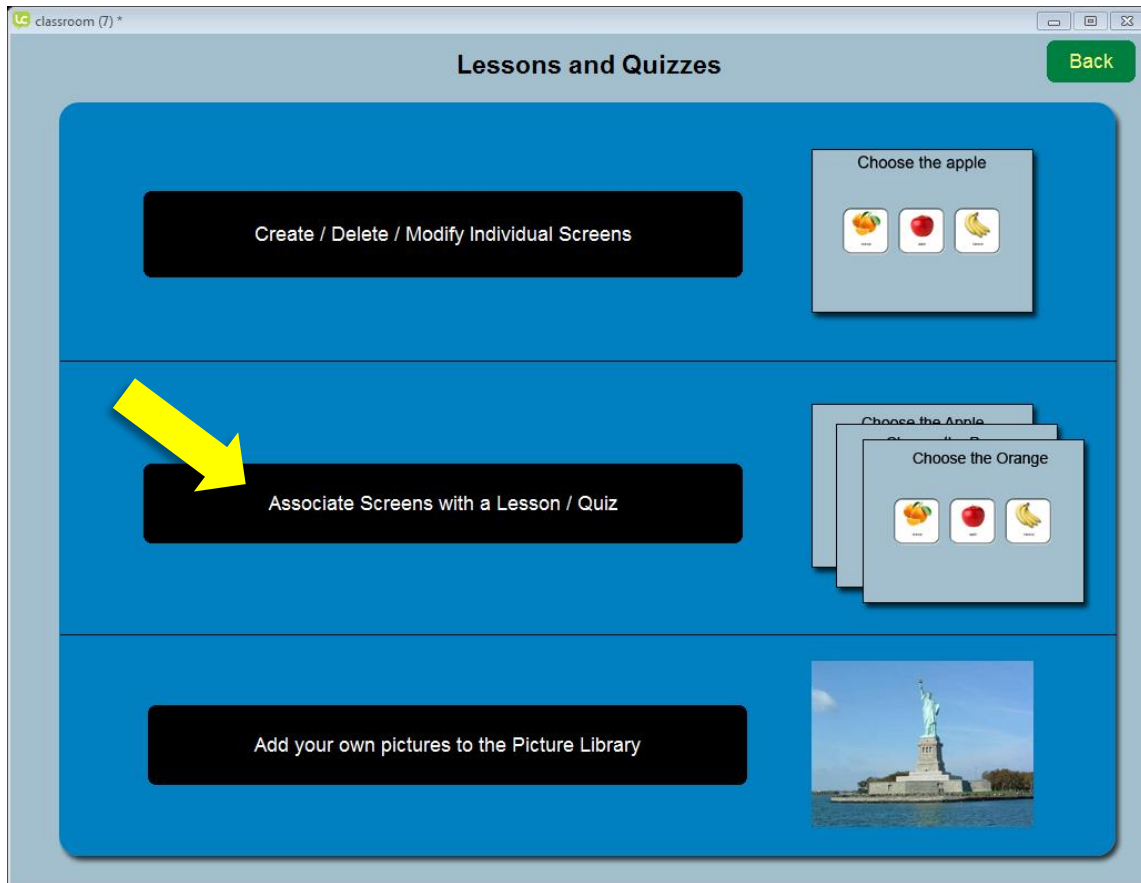
If none of the buttons are defined as a correct answer with the "Toggle Correct Answer" button, the screen is an "information" screen. Notice all of the borders are black.

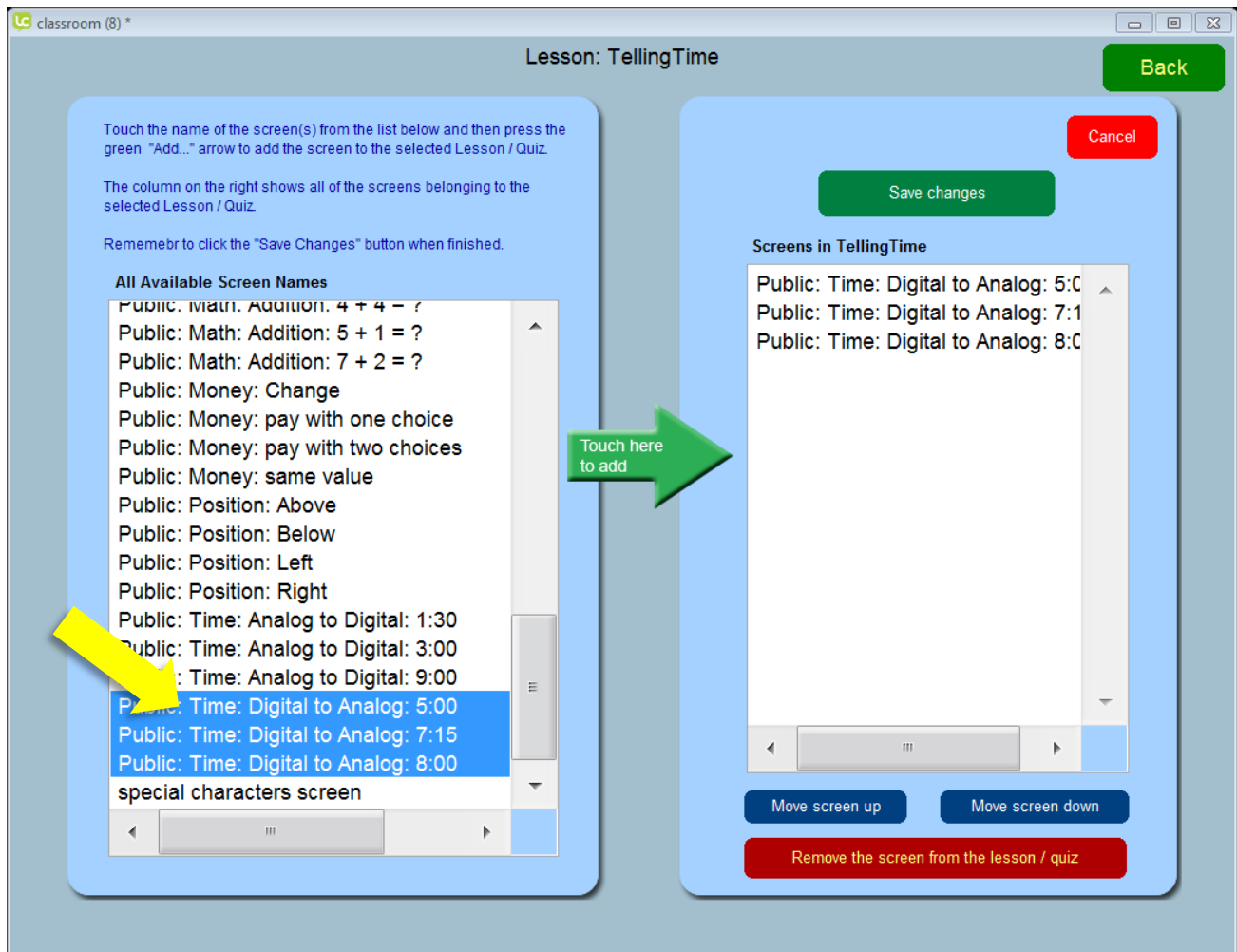


The screen above produced the following screen on the students' device(s). The buttons below were shuffled because the "Button order doesn't matter" checkbox was checked (Yellow Arrow).



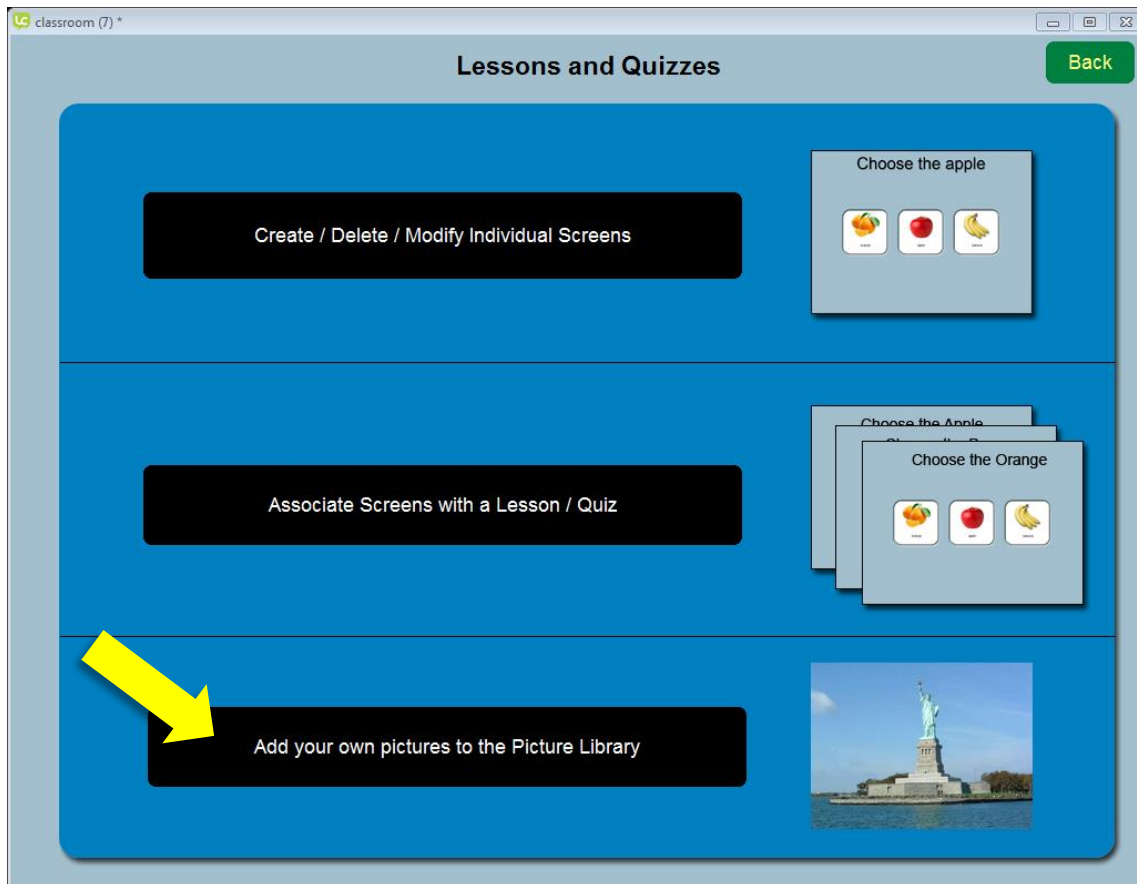
Assembling Individual Screens to Create a Lesson / Quiz





- 1) The list on the left contains all of the individual screens that were created. Highlight the ones that need to be added to the lesson / quiz. (Yellow Arrow).
- 2) Press the green arrow in the center of the two lists to add the individual screens. The list on the right contains all of the individual screens belonging to the lesson / quiz.
- 3) If the order of the screens matter, use the blue “Move screen up” and “Move screen down” buttons to set the order.
- 4) Press the green “Save Changes” button to save the changes.

Adding your own Pictures to the “Picture “Library”



Though the Classroom Connect picture library comes with over 400 pictures, you may want to create screens with your own pictures. To do this, press the “Add your own pictures to the Picture Library” button and select the pictures you would like to add.

Using your own Pictures in Customized Lessons / Quizzes

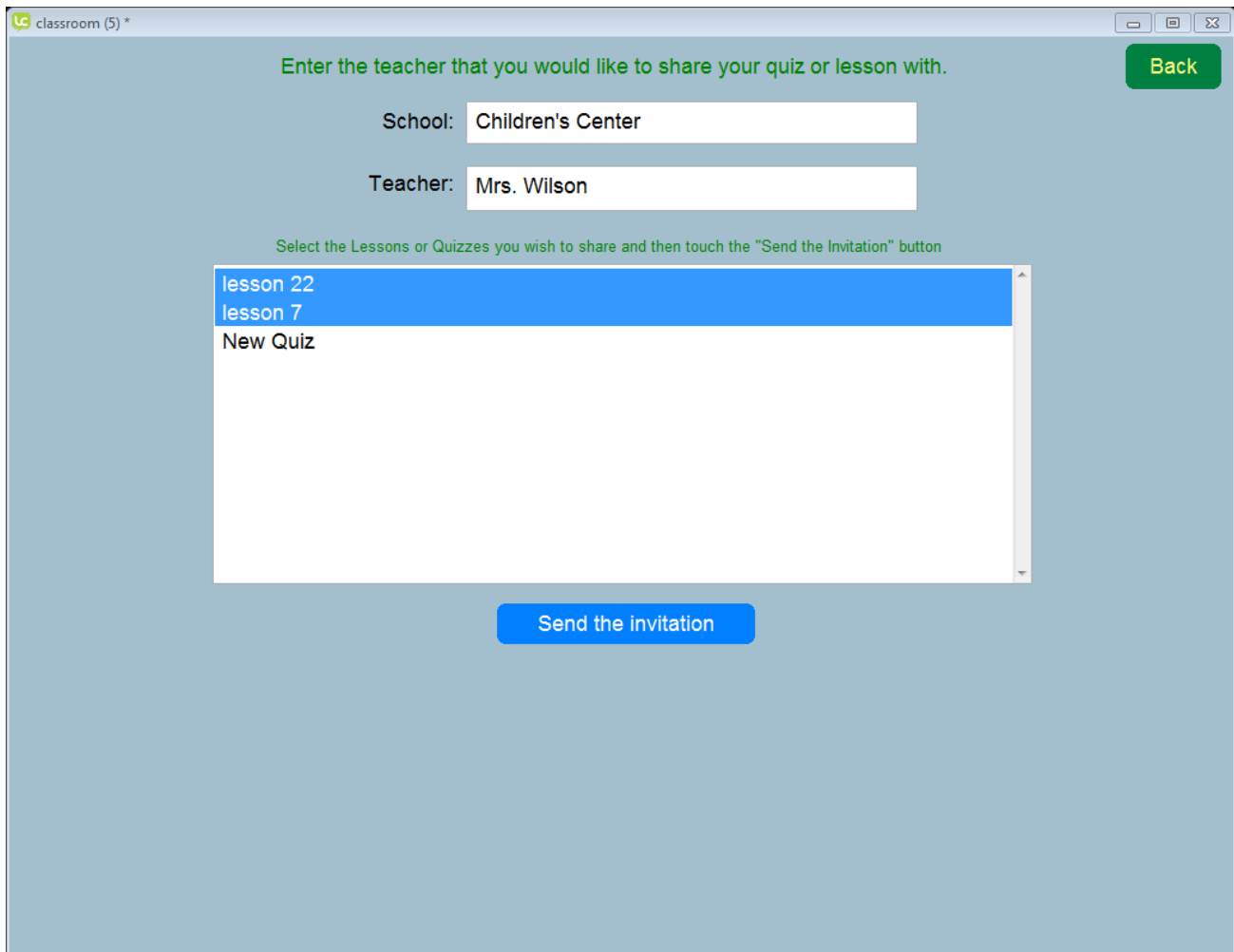
The screenshot shows a software interface for creating lessons or quizzes. On the left, there are input fields for 'Required: SCREEN NAME' and 'SCREEN CAPTION', along with a 'Copy caption to screen name' button. Below these is a 'Clear' button and a placeholder for a preview picture. The main area contains a 2x3 grid of buttons, each with a 'Correct Answer Toggle' and 'Clear' button. Each button has a text area for a question and a 'Drag Preview Picture Here' area. At the bottom, a 'Picture Library' is open, showing a list of categories on the left and a list of pictures in the 'Coffee Jar' category on the right. A preview image of a coffee jar is shown, with a yellow arrow pointing to 'My Uploaded Pictures' and purple arrows indicating it being dragged to the buttons and caption field. A 'Save' button and a 'Back' button are at the bottom right.

Your uploaded pictures will appear in the category “My Uploaded Pictures” (Yellow Arrow). Next drag and drop the preview picture to the buttons or caption picture

Sending Customized Lessons to another Teacher or Parent

Any lessons and quizzes created with this app can be shared with other teachers and/or parents.

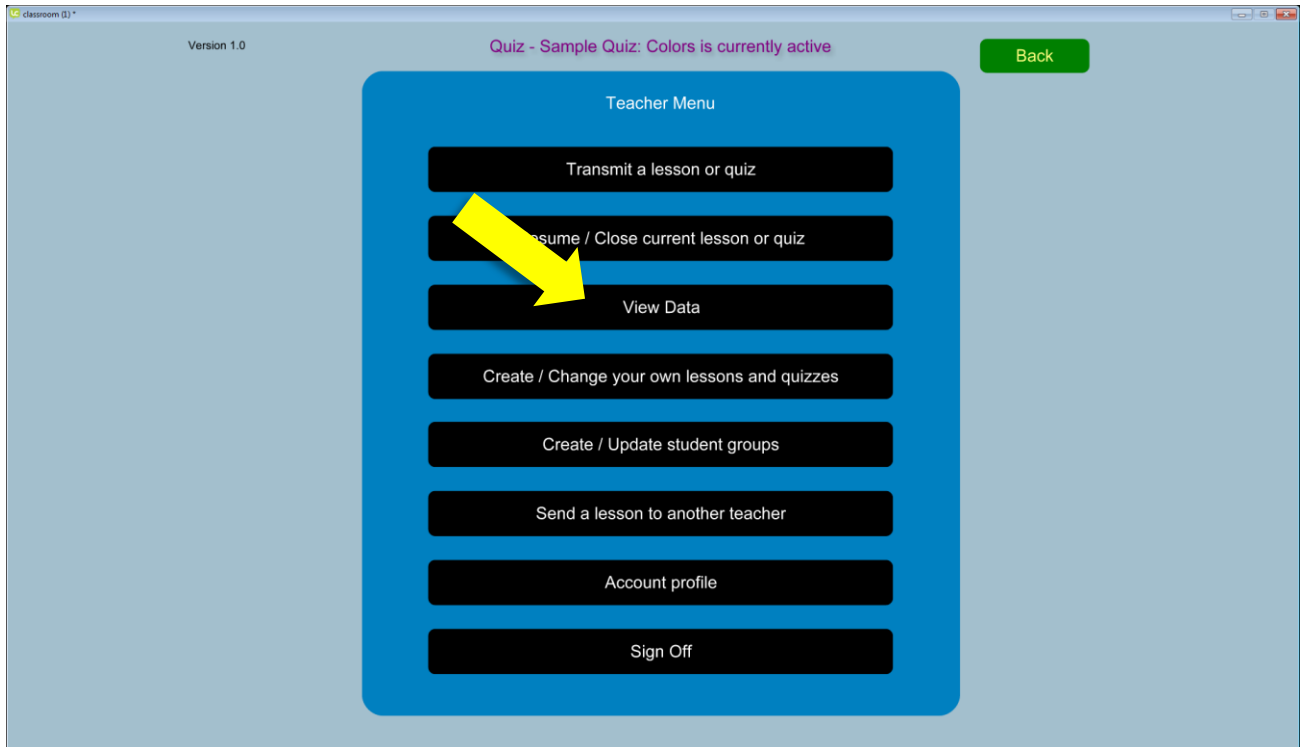




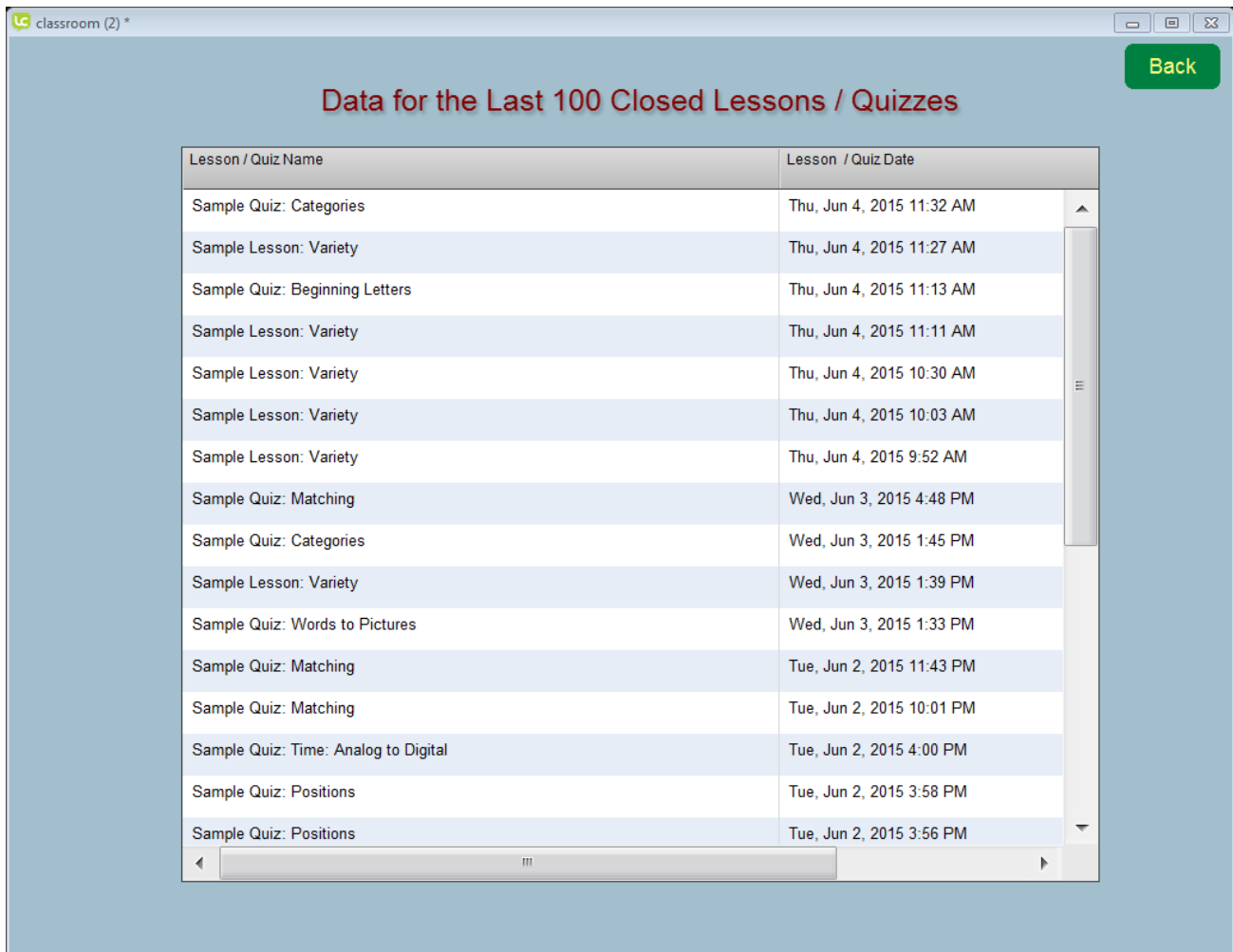
In this example, the next time Mrs. Wilson logs into the app, she will be prompted to accept or decline the invitation to receive the lesson or quiz.

View Data

Press the "View Data" to view the student responses from the last 100 closed sessions.



The last 100 transmissions are saved and can be viewed in a web browser. From the web browser, a teacher can print or email the data to keep record of the lesson or quiz.



Data for the Last 100 Closed Lessons / Quizzes

Lesson / Quiz Name	Lesson / Quiz Date
Sample Quiz: Categories	Thu, Jun 4, 2015 11:32 AM
Sample Lesson: Variety	Thu, Jun 4, 2015 11:27 AM
Sample Quiz: Beginning Letters	Thu, Jun 4, 2015 11:13 AM
Sample Lesson: Variety	Thu, Jun 4, 2015 11:11 AM
Sample Lesson: Variety	Thu, Jun 4, 2015 10:30 AM
Sample Lesson: Variety	Thu, Jun 4, 2015 10:03 AM
Sample Lesson: Variety	Thu, Jun 4, 2015 9:52 AM
Sample Quiz: Matching	Wed, Jun 3, 2015 4:48 PM
Sample Quiz: Categories	Wed, Jun 3, 2015 1:45 PM
Sample Lesson: Variety	Wed, Jun 3, 2015 1:39 PM
Sample Quiz: Words to Pictures	Wed, Jun 3, 2015 1:33 PM
Sample Quiz: Matching	Tue, Jun 2, 2015 11:43 PM
Sample Quiz: Matching	Tue, Jun 2, 2015 10:01 PM
Sample Quiz: Time: Analog to Digital	Tue, Jun 2, 2015 4:00 PM
Sample Quiz: Positions	Tue, Jun 2, 2015 3:58 PM
Sample Quiz: Positions	Tue, Jun 2, 2015 3:56 PM

Sample of the lesson or quiz responses viewed from your browser:

Lesson	
Sample Quiz: Categories	Friday, May 15, 2015

The following student were never connected	
	jack
	john
	todd

Student Summary				
Student Name	Correct	Incorrect	Didn't Answer	Grade
elliott	5	3	1	56

Student Details

elliott		
Activity Name	Response	Buttons Pressed
Public: Categories: Animals	Correct	camel horse pig
Public: Categories: Fruit	Correct	pear apple orange
Public: Categories: Food	Correct	bread fries pizza
Public: Categories: Music	Correct	piano drums guitar
Public: Categories: Red	Correct	backpack heart car
Public: Categories: Flying Things	Incorrect	X-bicycle
Public: Categories: Furniture	Incorrect	X-hat
Public: Categories: Round	Incorrect	X-carrot
Public: Categories: Vegetables	Did not Answer	

Lesson / Quiz Analysis Across Students			
Screen Name	Correct	Incorrect	Unanswered
Public: Categories: Animals	1	0	3
Public: Categories: Flying Things	0	1	3
Public: Categories: Food	1	0	3
Public: Categories: Fruit	1	0	3
Public: Categories: Furniture	0	1	3
Public: Categories: Music	1	0	3
Public: Categories: Red	1	0	3
Public: Categories: Round	0	1	3
Public: Categories: Vegetables	0	0	4

Credits

Concept & Programming	E. Pludwinski
User Guide & Content Assistance	S. Ritenour
Technical Assistance	J. Adams J. Felder M. Mond